

Work Order ID 161930

161930

Page 1

Tuesday, May 23, 2017 11:03:01 AM

Item ID: D3755-041 Accept *N9000040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: Seat Cushion
 Start Date: 5/25/2017 Start Qty: 2.00 *2* Cust Item ID:
 Required Date: 6/2/2017 Req'd Qty: 2.00 *2* Customer:
 Reference:

Approvals: Process Plan: DAS 21 Date: MAY 24 2017 Tooling: _____ Date: _____ Run Start *NR1*
 QC: 9-89 Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
D3753	Rev D
D3755	Rev C

100	PURCHASING	0.00							DAS 13 9-89
-----	------------	------	--	--	--	--	--	--	-------------------

100

Purchasing

Purchasing

Memo

Issue P/O: 36480

Manufacture D3753-1 cushion as per dwg Dwg D3753

Upholster as per Dwg D3755

Supplier: Aerotex

Material release note is required

110	Receive & Inspect for Damage & Mat'l Certs	0.00							
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110

Packaging

Packaging

Memo

0.04

2x 8017-7-11

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : ☐							
Misidentified ☐	Past Due ☐								

Work Order ID 161930

Tuesday, May 23, 2017 11:03:01 AM

161930

Page 2

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Revision ID: Stop ***NS2***
Item Name: Seat Cushion
Start Date: 5/25/2017 Start Qty: 2.00 ***2*** Cust Item ID:
Required Date: 6/2/2017 Req'd Qty: 2.00 ***2*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	QC6- All purchased or subcontracted products	0.00							
120									DAS 38
QC	Memo	0.00							JUL 14 2017
Quality Control									
130	Identify as per dwg & Stock Location: 5138	0.00							
130									DAS 6 68
Packaging	Memo	0.02							JUL 27 2017
Packaging									2
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.20							17/1/31
Quality Control									

DAS
21
9-89

JUL 27 2017

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																											
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																																																								
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval																																																							
Root Cause		FAULT CATEGORY																																																													
Environment ☐	Design ☐	Doc/Data ☐	Equip/Tooling ☐	Handling/Pre ☐	Material ☐	Internal Transport ☐	Tribal Knowledge ☐	LOA ☐	Substation ☐	Past Expiry Date ☐	Misidentified ☐	No Re-verification ☐	Operator ☐	Offset/Setup ☐	Supplier ☐	Training ☐	Use for Testing ☐	Poor Information ☐	Rushing ☐	Product Improvement ☐	Process Improvement ☐	Manufacturing Process ☐	Past Due ☐	Pressure/Forced ☐	Bending ☐	Centre Not Concentric ☐	Cracks ☐	Crimp/Kink/Ripple/Wave ☐	Cuffs ☐	Crushing ☐	Heat Treat ☐	Wave/Twist in Tube ☐	Marks/Chatter ☐	Temperature/Cure ☐	Set-up ☐	BOM/Route ☐	Broken/Damage/Defect ☐	Inspection Incomplete/Unqualified ☐	Contamination ☐	Countersink ☐	Cut Too Short ☐	Instructions Incomplete/Unclear ☐	Drill Holes ☐	Power Loss/Surge ☐	Folio/Program ☐	Grain ☐	Weld ☐	Wrong Stock Pulled ☐	Out of Sequence ☐	Off-set ☐	Mislabeled ☐	Fit/Function ☐	Misaligned/off center ☐	Positioned Wrong ☐	Outside Dimensions ☐	Over/Under tolerance ☐	Part Incorrect ☐	Part Lost/Missing ☐	Part Moved ☐	Drawing ☐	Finish ☐	Misread ☐	Turning Sequence ☐
OTHER : ☐																																																															

Picklist Print

Tuesday, May 23, 2017 11:03:00 AM

Page 1

Work Order ID: 161930

161930

Parent Item: D3755-041

D3755-041

Parent Item Name: Seat Cushion

Start Date: 5/25/2017

Required Date: 6/2/2017

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP: A08.11.17New issue EC verified by:DD IPP Rev:B
10.04.13 as per ECN10-539 Verified by:EC IPP Rev:C 10.05.03
remove velcro per comment (W/O 58260) DD verified :EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3755-041P		Purchased	No			110	Each	0.0000	1	2			
D3755-041P									**				
Seat Cushion													

2x Sp 17-7-11

DQA: _____ Date: _____



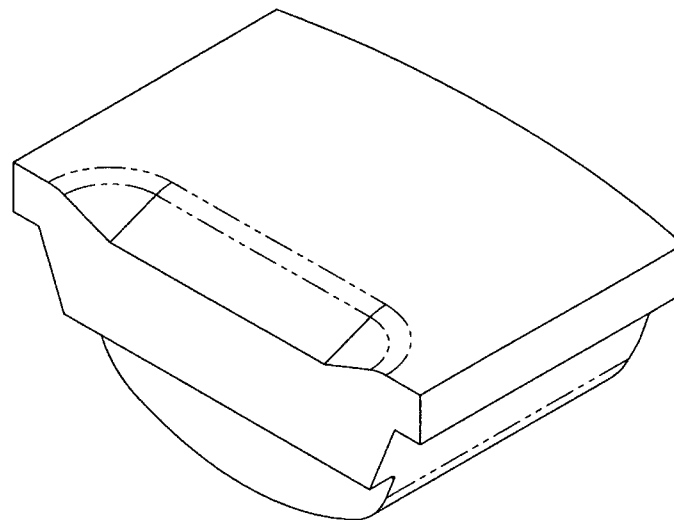
WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY																																																											
☐ Environment	☐ Design	☐ Doc/Data	☐ Equip/Tooling	☐ Handling/Pre	☐ Material	☐ Internal Transport	☐ Tribal Knowledge	☐ LOA	☐ Substation	☐ Past Expiry Date	☐ Misidentified	☐ No Re-verification	☐ Operator	☐ Offset/Setup	☐ Supplier	☐ Training	☐ Use for Testing	☐ Poor Information	☐ Rushing	☐ Product Improvement	☐ Process Improvement	☐ Manufacturing Process	☐ Past Due	☐ Pressure/Forced	☐ Bending	☐ Centre Not Concentric	☐ Cracks	☐ Crimp/Kink/Ripple/Wave	☐ Cuffs	☐ Crushing	☐ Heat Treat	☐ Wave/Twist in Tube	☐ Marks/Chatter	☐ Temperature/Cure	☐ Set-up	☐ BOM/Route	☐ Broken/Damage/Defect	☐ Inspection Incomplete/Unqualified	☐ Contamination	☐ Countersink	☐ Cut Too Short	☐ Instructions Incomplete/Unclear	☐ Drill Holes	☐ Power Loss/Surge	☐ Folio/Program	☐ Grain	☐ Weld	☐ Wrong Stock Pulled	☐ Out of Sequence	☐ Off-set	☐ Mislabeled	☐ Fit/Function	☐ Misaligned/off center	☐ Positioned Wrong	☐ Outside Dimensions	☐ Over/Under tolerance	☐ Part Incorrect	☐ Part Lost/Missing	☐ Part Moved	☐ Drawing	☐ Finish	☐ Misread	☐ Turning Sequence
																								☐ OTHER : _____																																							



D3753-1 SEAT FOAM

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 161930 MJS
1705-24

RELEASED
2010-03-23
mp

NOTES:

- 1) MATERIAL:
FOAM = FOAMEX H270-40S1 FOAM
OR
AIRFLEX FIRE-RESISTANT AIRCRAFT CUSHIONING GRADE 40-50 (COLOR: LIGHT YELLOW)
SUPPLIER: CHESTNUT RIDGE FOAM INC., P/N 503330-99
ADHESIVE = BOND FOAM LAYERS (IF REQUIRED) WITH SILAPRENE DC12906 SPRAY GRADE HPL CONTACT ADHESIVE
OR 3M 1300/1300L RUBBER AND GASKET ADHESIVE
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: NONE
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3753-1" USING PERMANENT MARKER
- 7) WEIGHT: 3.3 lbs APPROX
- 8) FOAM SHAPE TO CONFORM WITH TEMPLATE DT9027

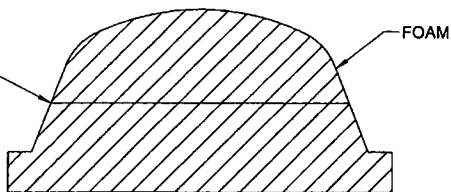
D	RE-SHAPED TO IMPROVE COMFORT PER PAR 09-030. ADD FOAMEX & 3M 1300 MAT'L (ZN A8-1)	CP	10.02.02
C	CHG SHAPE TO MATCH CHESTNUT SAMPLE: 5.89 WAS 5.85 (B8-2), 4.00 WAS 4.25 (B3-2), 1.25 WAS 1.00 (B3-2)	CP	08.10.08
B	FOAM SHORTER TO AVOID CYCLIC, 12.25 WAS 16.75 (C7- 2), 5.85 WAS 6.88 (B8-2), FRONT PROFILE CHANGED (B3-2)	CP	08.09.09
A	NEW ISSUE	CP	08.04.25
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	10.02.02		

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

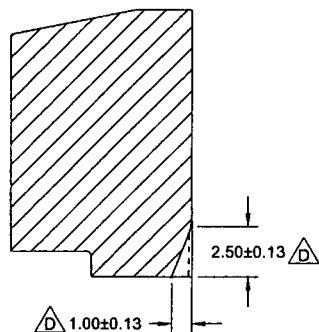
DRAWING NO. **D3753** REV. D
SHEET 1 OF 2
TITLE **SEAT FOAM** SCALE
NTS

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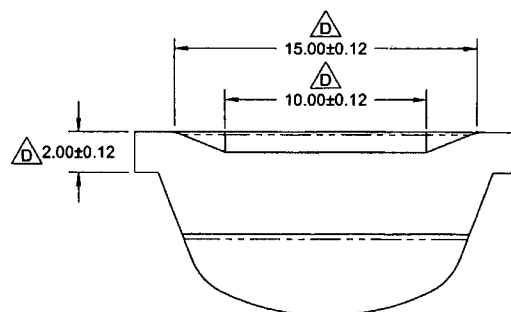
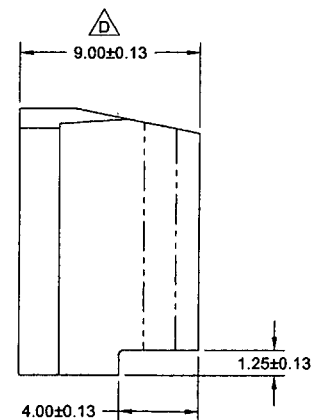
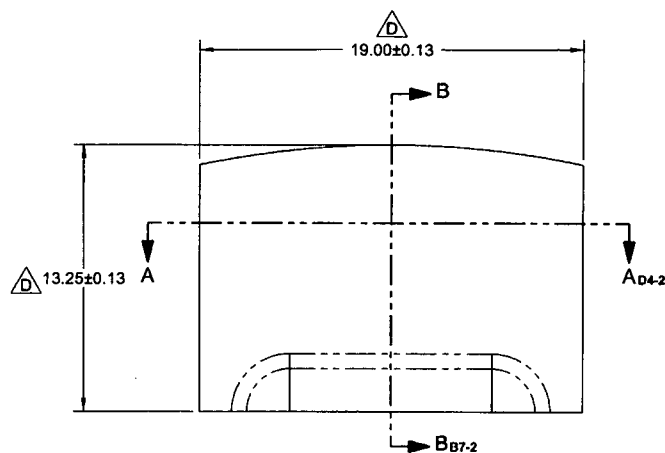
BOND FOAM LAYERS (IF PRESENT)
WITH SILAPRENE DC12906
OR 3M 1300/1300L ADHESIVE



SECTION A-A C4-2



SECTION B-B 85-2

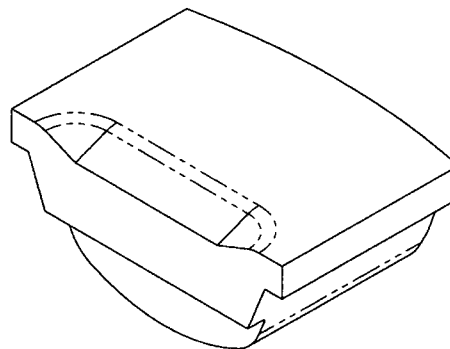


D3753-1 SEAT FOAM

RELEASED
2010-03-23
AMP

DESIGN	98	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	98		
CHECKED	98	DRAWING NO.	REV. D
MFG. APPR.	TS	D3753	SHEET 2 OF 2
APPROVED	TH	TITLE	SCALE
DE APPR.	TH	SEAT FOAM	NTS
DATE	10.02.02	COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

ITEM	QTY -041	QTY -1	PART NUMBER	DESCRIPTION
1	X		D3755-041	CUSHION
2	1	X	D3755-1	COVER
3	1		D3753-1	SEAT FOAM
4		2	LOOP STRIP, 2"	3M SJ3418FR, 2" WIDE BEIGE OR D3800-1-200-100
5	A/R		LOOP STRIP, 1"	3M SJ3418FR, 1" WIDE BEIGE OR D3800-1-100-400
6		A/R	HOOK STRIP, 1"	APLIX 800, A800R0025H958-1, 1" WIDE BEIGE OR D3800-3-100-400
7		A/R	FABRIC	JACKSON GREY MIX
8		A/R	THREAD	BONDED POLYESTER, 14.2 lb BREAK STRENGTH, GREY COLOR
9	A/R		ADHESIVE	3M 1300 / 1300L RUBBER AND GASKET ADHESIVE OR SILAPRENE DC12906 SPRAY GRADE HPL CONTACT ADHESIVE
10		A/R	ZIPPER	PACANNA BRASS AUTOLOCK ZIPPER #5

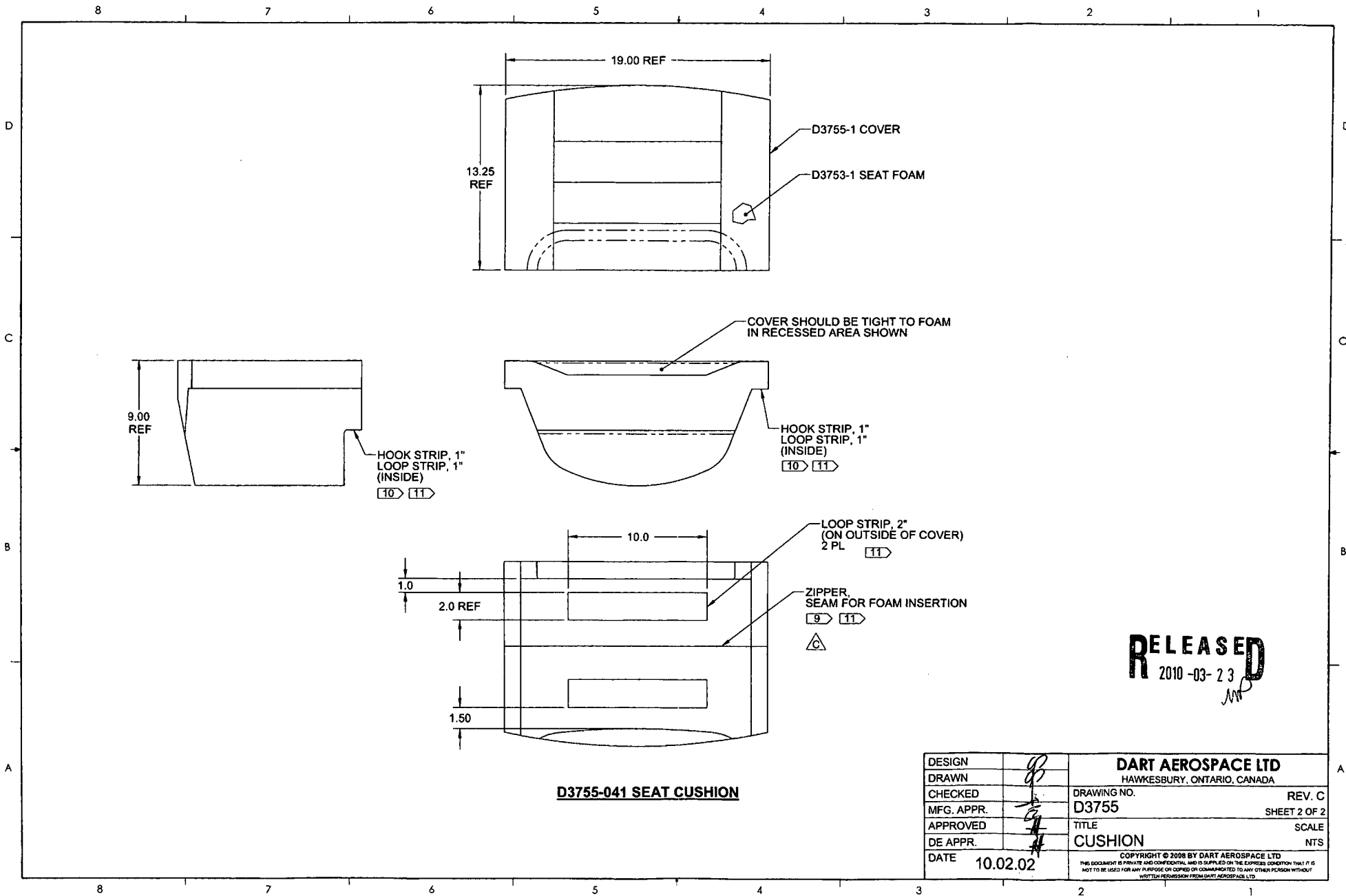


D3755-041 CUSHION

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: NONE
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3755-041" USING LABEL
- 7) WEIGHT: 3.3 lbs APPROX
- 8) SEW D3755-1 COVER TO FIT D3753-1 FOAM
- 9) STITCH ZIPPER ALONG EDGE OF SEAM TO CLOSE COVER
- 10) TO PULL FABRIC AGAINST FOAM IN CONCAVE AREAS, STITCH HOOK STRIP (1") TO INSIDE OF COVER AS REQ'D.
BOND LOOP STRIP (1") TO FOAM.
- 11) STITCHING: 4-6 STITCHES PER INCH, USE MIN 1/2" BACKSTITCH, NO LOOSE THREADS
- 12) CUSHION SHAPE / FORM / PATTERN TO CONFORM WITH TEMPLATE DT9419
- 13) ANY REQUIRED BONDING SHOULD BE DONE WITH SILAPRENE DC12906 SPRAY GRADE HPL CONTACT ADHESIVE
OR 3M 1300/1300L RUBBER AND GASKET ADHESIVE

C	UPDATE TO VIEWS/NOTES DUE TO D3753 BEING RESHAPED & NEW MFR. FABRIC, HOOK, LOOP, ADHESIVE CHG (D5-1), ADD ZIPPER (D5-1, B4-2). REF PAR 09-030.	CP	10.02.02
B	COVER NOW CLOSED WITH SINGLE SEAM (ZN A8-1, B3-2). D3800-1-100-300 WAS D3800-1-100-800 (D8-1). D3800-3-100-300 WAS D3800-3-100-800 (D8-1). ORIENTATION OF D3800-1-200-060 CHANGED (B3-2). ADD ITEM NUMBERS TO PART LIST (D8-1)	CP	08.10.21
A	NEW ISSUE	CP	08.09.09
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	10.02.02		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		REV. C D3755 SHEET 1 OF 2 TITLE CUSHION SCALE NTS	
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RELEASED
2010-03-23

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. C
MFG. APPR.		D3755	SHEET 2 OF 2
APPROVED		TITLE	SCALE
DE APPR.		CUSHION	NTS
DATE	10.02.02	COPYRIGHT © 2000 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS UNDERSTANDING THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	



151-2340 Pegasus Way NE
Calgary, AB T2E 8M5
PH: 403.295.8770 FX: 403.313.0793
EM: info@aerotex.ca WS: www.aerotex.ca

Packing Slip

Date Packing Slip#

7/07/2017 17-306

Ship: Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA

Customer Phone
613.632.5200

Customer Fax
613.632.1053

Ship Via
FedEx Economy

Courier Acct No.
151793240

Bill: Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, Ontario K6A 1K7
CANADA

Email: dbates@dartaero.com

WO No.	Ship Date	P.O. No.
WO7264	7/07/2017	PO36480

PN / Color	Qty	Ordered
D3755-041P	2	2
71401-45		

#	Description
1	SEAT CUSHION
2	Documentation Fee: Additional processing service for streamlining documentation and batch control into our AO 72-01. Release of Certification of Conformance. GST On Sales

Thank you for doing business with Aerotex Interiors!

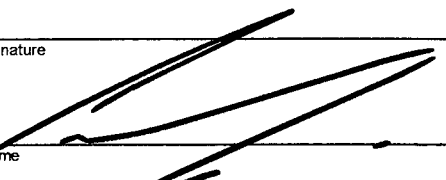
GST/HST No. 139110308

"your one stop shop for all your aircraft interior needs"

www.aerotex.ca

DAS
38
9-89

8017-7-11

1. Organization issuing certificate. Aerotex Interiors Inc., #151-2340 Pegasus Way NE Calgary, AB T2E 8M5		2. CERTIFICATE OF CONFORMANCE				3. Work Order / Contract / Invoice 17-306	
4. Customer Name/Address DART Aerospace LTD 1270 Aberdeen Hawkesbury, ON K6A 1K7 CANADA						5. Purchase Order PO36480	
6. Unit	7. Materials Used for Items	8. Specifications	9. Batch	10. Item	11. Part Number	12. Quantity	13. Status
1	1" Velcro Loop – Beige	D3800-1-100-700	6921	SEAT CUSHION	D3755-041P	2	NEW
2	1" Velcro Hook – Beige	D3800-3-100-700	6921				
3	2" Velcro Loop – Beige	D3800-1-200-600	6921				
4	Fabric	Jackson GreyMix	7696				
5	Thread – Bonded Polyester Grey	14.2In Break strength	6566-3				
6	Adhesive	3M 1300/1300L Adhesive	8976				
7	Zipper	PaCanna Brass Autolock Zipper #5	N/A				
8	Foam	Seat Foam	9009				
14. Remarks I certify that the materials supplied for the Purchase/Repair Order listed above conform to Aerotex Interiors's material/process specification and are in all respects in conformance with the contract requirements. I further certify that items have been fabricated to established specification to confirm with DWG. NO. D3755 REV C.							
15. Signature 			16. Title Director of Maintenance				
17. Name Carson Chanthyvong			July 7, 2017				